

# ASBESTOS



*Factory—Norristown Magnesia & Asbestos Co., Norristown, Pa.*

MAY 1954

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# "ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED  
MONTHLY SINCE THAT DATE

BY SECRETARIAL SERVICE  
808 WESTERN SAVING FUND BLDG.  
S. E. COR. BROAD & CHESTNUT STS.  
PHILADELPHIA, 7, PENNSYLVANIA

Trust of C. J. STOVER, Proprietor  
E. E. COX, Editor

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## **WATER RESISTANT 85% MAGNESIA DEVELOPED**

Development of a new water resistant insulation has been announced by The Magnesia Insulation Manufacturers Association representing the producers of 85% Magnesia insulation and related products. The new form of 85% Magnesia for hot piping and equipment offers a solution to the important problem of insulation damage resulting from severe water exposures.

Exhaustive tests by an independent laboratory, the Association reports, indicate that immersion in boiling water for 378 hours with intermittent drying on hot pipes caused only a slight roughening of the insulation surface with no loss of insulating values. Following the tests, the new product was still in serviceable condition.

The new insulation was developed under the sponsorship of the Technical Committee of MIMA and is the result of several years of research and development in the laboratories and plants of the member companies.

The new insulating material is said to be especially useful for underground pipe lines subject to flooding, process equipment and piping requiring hosing or washing down, and similar conditions.

For all practical purposes, the water repellent additive in the new material does not affect the conductivity, density or other vital properties of the insulation. Conventional 85% Magnesia insulation, the Association advises, will continue to be the industry's standard product and the new water resistant material will be offered only where severe moisture problems exist or when specified by the user.

In tests conducted by the Pittsburgh Testing Laboratory, water resistant 85% Magnesia on hot steam pipes was subjected to 30 cycles of immersion in boiling water, each cycle consisting of seven hours immersion and 17 hours drying, plus an additional 168 consecutive hours of immersion. After each immersion, the steam pipes carrying 125 to 140 psig steam dried the insulation thoroughly. Examinations were made between cycles and at the con-



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**K**neasbey & Mattison—original manufacturers of asbestos-cement roofing shingles in this country—produce a complete line of asbestos building materials: Siding and Roofing Shingles • Wallboards • Corrugated and Flat Lumber •

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And for the efficient conveyance of water, we manufacture "Century" Asbestos-Cement Pipe.

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made Asbestos...*

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has been making it serve  
mankind since 1873*



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clusion of the tests for disintegration, cracking, spalling, shrinking or other damage.

At the end of the tests, the new water resistant insulation, according to the laboratory report, was found to be intact with surfaces rougher but with joints firm and in good condition, no appreciable shrinkage, and no swelling or cutting in of bands. The report stated that it "was found to be highly resistant to disintegration under test conditions of continuous steam flow while immersed in boiling water."

Since no standards existed for the measurement of insulation resistance to water damage, four other leading insulating materials were tested at the same time in the same equipment and under the same conditions. The laboratory report indicates that all four suffered severe damage within periods ranging from one hour to several cycles.

## TEST REPORT ON WATER RESISTANT MAGNESIA INSULATION

By W. R. Pressler, Manager,

Philadelphia District, Pittsburgh Testing Laboratory

The test of water resistant magnesia insulation and other insulating materials were conducted by two representatives from the Philadelphia office of Pittsburgh Testing Laboratory. The purpose of the tests was to determine the relative resistance to deterioration of water resistant magnesia and other thermal pipe insulations under conditions simulating those found in underground installations subjected to flooding.

The samples of water resistant 85% Magnesia were selected at random from a production lot in a manufacturer's plant. The other materials were selected from cartons purchased in the open market. All insulations were for 3 in. pipe and were of nominal 1 in. thickness.



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"Asbestos Floats" are used in manufacturing Filler Cement for use in applying Gypsum Board, where bulk and freeness of grit is essential. They supply advantages of a low-cost inorganic fibre, providing impact strength and good workability.

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**Executive Offices: 500 Fifth Avenue  
New York 36, N. Y.**

**The RUBEROID Co.**

**ASPHALT AND ASBESTOS BUILDING MATERIALS**

The materials used in the test were coded as follows:  
Material

	Size
A	3 ft. lengths
B	18 in. lengths
C	3 ft. lengths
D	3 ft. lengths
E*	3 ft. lengths

\* Water Resistant 85% Magnesia

The test equipment consisted of a galvanized steel tank 5 ft. wide x 10 ft. long x 20 in. deep with water inlet and drain connections. The test pipes on which the insulations were applied were 3 in. I.P.S. standard weight steel pipe, 8 ft. long between headers and spaced 8½ in. on center. The two headers consisted of 4 in. I.P.S. standard steel pipe 4 ft. long, and electric welded to the 3 in. test pipes. The test pipes were pitched to drain and had vent pipes installed for air escape. A 1 in. steam supply line and return header were equipped with strainers and steam traps.

Each of the test pipes was equipped with two Iron-Constantan Thermo-couples. One thermocouple was attached to the surface of the pipe by silver brazing 9 in. from the center extending towards high side of test pipe. The other thermocouple was loose on top of the pipe and secured by two small copper wires 9 in. from center extending towards lower end of test pipe.

Conventional application techniques were used in applying the insulation to the test pipes excepting that no protective finish or covering was employed. Two full length sections of materials A, C, D and E together with short end pieces of each were applied to the test pipes by means of metal bands. Five full length sections of material B were installed.

The 3 ft. lengths were held in place by three bands, one in the center and the other two 3 in. from each end. The 18 in. lengths were held in place by two bands, each 3 in. from the ends. Bands were tightened by hand in accordance with normal installation procedure. All longitudinal joints were in a horizontal plane. Two test pipes were insulated with water resistant magnesia and one each with the other four materials.



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ives, asphalt tile, texture paints, friction materials, plastics . . . asbestos "shorts" and "floats" serve as fillers, extenders, conditioners, reinforcers, and heat-resisting agents.

If you would like further information about the various uses, properties and classifications of these versatile forms of asbestos, write to address below for Brochure AFD-4A.



*Asbestos Fibre Division*  
**Canadian Johns-Manville Limited**

970 Sun Life Bldg.

(Telephone: UN-6-9701)

Montreal, P. Q., Canada

Steam at full line pressure (125 to 140 psig) was passed through the insulated pipes for fourteen hours to bring all pipes and insulation to equilibrium. Initial temperature readings were taken and recorded.

The tank was filled with boiling water to a point 2 in. above the top surface of the insulated pipes. The continuous flow of steam through the test pipes brought the water adjacent to the insulation to boiling in approximately five minutes. Water was added through a constant water level device to maintain the initial water level during the boiling period.

At the end of each hour during the first seven hours of testing, the tank was drained, samples examined and photographed in place, and the tank refilled. Intervals between draining and refilling of tank were approximately eighty minutes.

After this first seven hours of intermittent testing, the tank was drained and the insulation was allowed to dry with steam at full line pressure passing through the test pipes for seventeen hours. Temperature readings were taken near the end of the boiling period and the drying period.

Cycles of seven hours of immersion in boiling water and seventeen hour of drying were then repeated until thirty cycles had been completed. Photographs were taken daily for fifteen cycles, then at the end of every fifth cycle, or when a major change occurred in any insulation.

After completion of thirty cycles of boiling and drying, the remaining pipe insulations were subjected to 168 hours of continuous boiling followed by drying for 24 hours. Steam was then turned off and the test stopped.

When the insulation was removed from the pipes, no pitting or corrosion was observed on any of the steel pipe surfaces indicating that, under the conditions of the test, none of the pipe insulations had an effect on the steel.

Observations of the effects on the tested insulation as physical changes could be seen were as follows:

After one hour of boiling, two sections of Material "B" failed, partially breaking away from the pipe.

# *Carey* **ASBESTOS**

Since 1873 Carey has been manufacturing products of which asbestos is an integral part.

And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

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**CINCINNATI 15, OHIO**

In Canada: The Philip Carey Co., Ltd., 277 Duke Street, Montreal 3, P. Q.

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Material "A" started to swell along horizontal joints with slight delamination of the outer layers.

Material "C" showed a small crack on one bottom section.

After seven hours of boiling, several broken pieces of Material "B" remained on test pipe.

Delamination of outer layers continued on Material "A", along with swelling and bulging between bands.

Material "C"—Erosion of inside of short section at top of test pipe. Bands cutting in on this piece. Slight swelling of test piece with middle band starting to cut in. Several hair-line circumferential cracks in bottom sections.

Material "D"—Erosion continued at joints of both test pieces with swelling on both pieces between bands.

After five test cycles, five test sections of Material "B" completely disintegrated.

Material "A"—Delamination continued; approximately one-half in. of material disintegrated between bands 1 and 2 on lower top section.

Material "C"—Erosion continuing on short fill in sections. Center band on top section cutting in. Several cracks in bottom sections.

Material "D"—Rigid covering beginning to soften allowing filler material to disintegrate along horizontal joint of upper test piece. Swelling at center joint and bulging on bottom piece quite noticeable.

Material "E" (water resistant magnesia)—No swelling or bulging observed. Surface roughening slightly. Joints firm and in good condition.

After ten cycles, slightly more deterioration of Material "A". Bottom sections starting to delaminate.

Top surfaces of Material "C" getting rougher. Bands cutting deeper. Cracks remain about same width.

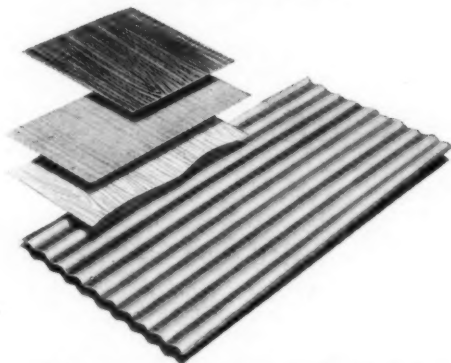
Material "D" test specimen completely disintegrated. No change in Material "E".

Checks after fifteen, nineteen and twenty-five cycles showed continuing deterioration of all materials excepting "E" (water resistant magnesia) with areas of bare pipe exposed in Materials "A" and "C" after nineteen



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## **ASBESTOS-CEMENT PRODUCTS**



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cycles.

At the end of the complete test, only about half of the Materials "A" and "C" remained, "B" and "D" having undergone virtual complete disintegration much earlier.

Material "E" (water resistant magnesia)—All test pieces were intact. Surfaces were considerably rougher than original insulation. Joints were firm and in good condition. No appreciable shrinkage at joints and no cutting in of bands.

#### S U M M A R Y

1. Material "E" was found to be highly resistant to disintegration under the test conditions of continuous steam flow while immersed in boiling water.
2. During the boiling period, the temperature of the pipes covered with material "E" in general were higher than any other insulation tested.
3. Material "B" has very poor resistance to disintegration under the test conditions.
4. Material "D" remained in good condition for a short period of time (six cycles), which was followed by a period of rapidly increasing disintegration.
5. Materials "A" and "C" remained in good condition for approximately half the duration of test, followed by gradual disintegration to end of test.

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An informal meeting was held at the Akron offices of Babcox Publications, Inc. (publishers of BRAKE & FRONT END SERVICE) recently, and it was decided to circularize leading automotive safety shops (brake and wheel alignment stations, front end shops, etc.) to determine their interest in the establishment of an Automotive Safety Association (ASA) that would aggressively promote the "safety services" at the SHOP level—and thus improve car maintenance and help prevent accidents. Obviously in any field survey, it is impossible to contact every shop. Therefore, whether you are FOR or AGAINST such an association write your ideas to BRAKE & FRONT END SERVICE, Akron 4, Ohio. (From BRAKE AND FRONT END SERVICE Magazine).



## Mundet Cork Corporation

Insulation Division, 7101 Tonnelle Ave., North Bergen, N. J.

Mundet district offices are located in these cities:

<b>ATLANTA</b> 339-41 Elizabeth St., N.E.	<b>DALLAS 10</b> 601 Second Ave.	<b>JACKSONVILLE 6, FLA.</b> 800 E. Bay St.	<b>NEW ORLEANS 16</b> 315-25 N. Front St.
<b>BALTIMORE 30</b> 612 Battery Ave.	<b>DETROIT 21</b> 14401 Prairie Ave.	<b>KANSAS CITY 7, MO.</b> 1401 St. Louis Ave.	<b>NEW YORK 17</b> 331 Madison Ave.
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<b>CINCINNATI 2</b> 427 West 4th St.	In Canada: Mundet Cork & Insulation, Ltd., 35 Booth Ave., Toronto		<b>SAN FRANCISCO 7</b> 440 Brannan St.

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## THE COVER

The new cover cut is the plant of the Norristown Magnesia & Asbestos Company, Norristown, Pa.

The Company was founded in 1896 by Charles S. Platt. At that time it was called the Norristown Covering Company. In 1906 a desire for greater experiments led to the re-organization of the Company and the name became Norristown Magnesia and Asbestos Company. Asbestos Paper and Millboard machines were acquired and the Company began to specialize in the manufacture of high quality Paper, Millboard and Pipe Insulations.

In 1926 in addition to the small 40" wide machine, a 76" trim machine was acquired and Norristown began to become established in the Asbestos Felt field.

Five years ago one of the most modern and up-to-date machines attainable was purchased and Norristown is presently the largest manufacturer of Asbestos Felt in any individual plant.

Through all the years Norristown has continued to turn out quality merchandise and through this its expansion continues as development of new uses for Asbestos are sought through research.

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## A. S. H. V. E. 1954 GUIDE

The 1954 edition of The Heating, Ventilating and Air Conditioning Guide, published annually by The American Society of Heating and Ventilating Engineers, has just been issued. Among the special features, in this 32nd edition, is a new chapter of Residential Summer Air Conditioning. Many important changes and additions are featured. The Technical Data Section has been enlarged to 1128 pages, representing an increase of 32 pages over the previous edition. The Manufacturers Catalog Data Section of 486 pages, illustrates the products of 319 well-known manufacturers.

Copies of the volume, priced at \$10.00 each, are available through ASHVE headquarters, 62 Worth Street, New York 13, N. Y.



# **HAIR FELT**

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## **Low Temperature Insulation**

---

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## THERMAL INSULATION SOCIETY

The Charleston chapter has enjoyed its usual good programs during the year of 1953 and attendance has more than justified the type of program scheduled for the meetings.

Although no specific report can be made relative to the activities of other Thermal Insulation Society chapters it is understood that considerable agitation is being shown in favor of nationalization. To this end a committee has been appointed by the president of the Charleston chapter to study and recommend procedures to be followed in holding a meeting for the purpose of electing national officers under the charter obtained in the state of West Virginia for this purpose.

It is hoped that nationalization will encourage a number of cities contemplating the formation of chapters to expedite action in this direction.

Following is the schedule for the balance of 1954:

May—Special Problems Meeting and election of officers—Ray Thomas, President for fifth term; J. M. Venable, Vice President; William Curtis, Secretary; H. O. Spangler, Treasurer. Executive Committee: J. M. Bowes, Homer Elliott and Roy P. Jones.

September—W. C. Turner, Staff Engineer, Carbide & Carbon Chemicals Company—Subject: "Foam-glas".

October—W. R. DeVore, DeVilbiss Company—Subject: "Use of Spray Equipment".

November—M. M. Wilson, Sales Manager, Baldwin Hill Company—Subject: "Mineral Wool Cements".

December—Special Problems Meeting.

By Ray Thomas, President.

---

The Chamber of Commerce of the United States reports that expenditures for residential repair, improvement and alteration may reach a peak of about \$9 billion in 1954.

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JAPAN ..... S. SAITO & COMPANY, 7th Floor, Marunouchi Building,  
TOKYO

BELGIUM ..... JOS IDE & FILS, 23, rue Maréyde,  
BRUSSELS (Woluwe St. Pierre)

GERMANY ..... ERNST WERNER, Import von Rohasbest,  
Katharinenstrasse 30, "Edmundhaus,"  
HAMBURG II,

## NEW CARGO CARRIERS

A new fleet of cargo ships is nearing completion in the United States. Called the Mariner Class, they are intended to be the fastest of their kind.

These ships will have a speed of more than 20 knots. This is important in commercial work and can be even more important in case the Mariners should be required for military service. Being able to outrun submarines, they could sail without convoy.

Thirty-five ships are being built in five different yards.

Normally the Mariners will carry refrigerated as well as dry and liquid cargo. Particular emphasis has been placed on the refrigeration facilities and a relatively new material, Reeferite, has been used extensively.

Reeferite is a laminated panel material for lining cargo holds. The core is of light metal. This is faced on both sides with an asbestos-cement sheet. Total thickness is  $\frac{1}{4}$  in. and panels are available in sizes up to 48 in. by 96 in. The panels are light in weight for easy handling. The large size speeds coverage and the panels may be worked using standard tools and methods.

In service, Reeferite is comparable to 16 gauge steel in resistance to impact and puncture as well as its load bearing capacity. It is non-corrodible and meets the requirements of the U. S. Department of Public Health.

The smooth, asbestos-cement finish of Reeferite requires no further finishing although some owners use wax or lacquer to assist in maintaining cleanliness. The natural color of the material is a light gray. No painting is needed unless other color is wanted in which case standard paints are applicable.

For insulation behind the Reeferite, Johns-Manville recommends the use of BX-Spintex. This is a semi-rigid, mineral fibre material supplied in convenient blanket form for easy installation between frames, beams and furring. It is mold and moisture resistant, and also fire-proof.

This explains the construction of the cargo section



# ASBESTOS

## ASBESTOS

## CORPORATION

## LIMITED

### THETFORD MINES

QUEBEC

CANADA

#### REPRESENTATIVES

##### GREAT BRITAIN:

W. A. JANITCH,  
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of the Mariners. Now let's have a look at the provisions for crew and passengers.

For the staterooms, and passageway bulkheads, linings and ceilings, Marinite joiner materials are used. These are the fireproof J-M materials that were used with distinction on such recently built passenger ships as the S.S. United States, S.S. Constitution and S.S. Independence.

Then there is the power plant that speeds cargo, crew and passengers at a rate of 20 knots. For this plant the insulations are most important and several types were used.

One of these, J-M 85% Magnesia, is an old friend with an unexcelled performance record for temperatures up to 600 F. Another is J-M Superex which, in combination with 85% Magnesia, provides double layer insulation for temperatures to 1900 F. Still another is Thermobestos, a fairly recent J-M insulation development for use at temperatures to 1200 F.

(Reprinted from the "Power Specialist")

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The "Directory of Commercial and College Laboratories", hitherto compiled and published by the National Bureau of Standards of the U. S. Department of Commerce, will be published in the future by the American Society for Testing Materials, according to a recent agreement between the two organizations. It provides interested persons with information concerning the location of testing laboratories together with the types of commodities and the nature of the investigations the laboratories are prepared to undertake.

ASTM is now gathering data for the revised edition of the Directory. Until the revised ASTM Directory is completed, the present Directory, National Bureau of Standards Miscellaneous Publication M187, published in 1947, will continue to be available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

# **DRYLON WET MACHINE FELTS**

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**Carefully Engineered**

**To Meet**

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**Problems**

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## **DRYCOR FELT COMPANY**

**STAFFORDVILLE, CONN. USA.**

*\* Nylon Has Proved Itself Essential in Asbestos Cement Felts*

## THIS AND THAT

Langeork (Pty.), Ltd., East London, Cape, S. Africa state that they have invented and processed a new material of high-quality asbestos inter-leaved with aluminium and cemented together with thermosetting resin. While all the materials are of local origin, the asbestos is specially rolled in England. The material is being used to make gaskets, exhaust manifolds and exhaust flanges for the motor trade. Additional plant has been installed to supply head gaskets for American cars. Extensive tests have been made on these products over lengthy periods.

The Japanese government will allocate \$4.3 million for imports of asbestos fibre in the 1954 fiscal year (April 1954 to March 1955), according to trade sources in Tokyo. This would compare with \$3.65 million allocated for the previous year.

The Japan Asbestos Association reports that the 1954 allocation would include \$500,000 allocated for imports with foreign exchange from the special bonus fund earned by importers from past exports, and \$300,000 allocated under arrangements linking imports with exports of asbestos products.

A spokesman of the association warned, however, that asbestos manufacturers could not rely much on imports financed from the special bonus fund as importers would want to utilize their bonuses on more profitable imports than asbestos.

### KINLOCH ASBESTOS

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# SMITH & KANZLER CO.

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Air Cell

Wool Felt

Anti Sweat

Anti Freeze

Sponge Felt

Multi Ply

Established 1920

East Linden Ave., Linden, N.J.

The national Bureau of Standards recently announced a new publication, "Statistical Theory of Extreme Values and Some Practical Applications", by E. J. Gumbel, National Bureau of Standards Applied Mathematics Series 33, 51 pages, 10 tables, 38 figures, 40 cents. (Order from Government Printing Office, Washington 25, D.C.).

This is the revised text of material presented in a series of four lectures given by the author at the National Bureau of Standards. It is the first comprehensive statistical treatment concerned with an extensive series of recent problems of considerable interest to engineers and statisticians.

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Harvey Jacobson, President of the Jacobson Mfg. Co., Inc., Kenilworth 9, New Jersey, announced recently that his company now has a patent pending on a newly developed line of Self-Locking Machine Screw Nuts, to sell at a fraction of the cost of other self-locking nuts.

For further information, engineering assistance and samples, inquiries should be addressed to Jacobson Mfg. Co., Inc., Kenilworth 9, New Jersey.

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Private enterprise is the major factor in the "re-forestation" of America. Forest tree planting in 1953 was a record 715,548 acres. Of the total acres planted, 77,612 were on federal lands; 63,791 on state and county lands, and 574,145 on private lands.

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### **A.S.H.V.E.**

Come summer, sedate Swampscott, Mass., 11 miles north of Boston, will hear about AUST-values; non-uniform environment; south facing, vertical, flat-plate collectors; solar constant, and trillion horse-power hours. These are terms 600 members of The American Society of Heating and Ventilating Engineers will use during their 60th Semi-Annual Meeting, at the New Ocean House, Swampscott, June 28-30, 1954.

## CANADIAN ASBESTOS FIBERS



THE NICOLET MINE  
Norbestos (via Warwick)  
Que.

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**NICOLET ASBESTOS MINES LIMITED INC.\***

**70 Pine Street**

**New York 5, New York**

*\*One of the NICOLET Industries*

# MARKET CONDITIONS

## GENERAL BUSINESS.

While there have been no startling improvements in General Market conditions in the past 30 days, neither has there been any seriously unsettling news. It would appear that the declines in many lines have halted. There is no telling whether these declines may be renewed or whether from the present, fairly steady, level of activity an upturn may occur. The preponderance of business thinking, however, is optimistic — the big question seems to be when an upturn may be expected and how extensive it will be when it happens.

## ASBESTOS — RAW MATERIAL.

The expected pickup in deliveries of asbestos fibre commenced in April and is increasing rapidly with the opening of navigation to St. Lawrence River Ports.

The month of April is expected to see total shipments comparing favorably with those for the average of 1953.

Practically all grades are in ample supply at the present time. Spinning fibre supply appears to satisfy current demand and the potential output is increasing. A noticeable pickup in demand for the shorter grades of fibre is apparent with the commencement of the Spring building season.

## ASBESTOS — MANUFACTURED GOODS.

*Asbestos Textiles.* Demand continues at a very low ebb and it appears that the demand for tape is more greatly affected than that for cloth. Government buying has been practically nil. An increase is looked for in lap, roving and cloth during the second half of the year.

*Asbestos Brake Lining.* Replacement market after a fairly bad January has come back so that the first quarter should at least equal 1953. It is believed this should be one of the best years in replacement parts market but equipment sales by jobbers may be off.

*Asbestos Paper.* The downward trend has leveled off, although competition is keen for available business. Improvement is expected as readjustments in the general economic picture are completed. The *Millboard* market



# **ASBESTOS FIBRES**

Rhodesian Chrysotile — South African Chrysotile — Cape Blue —  
Transvaal Blue — Montasite — Amosite — Anthophyllite

## **PUTTEN'S ASBESTOS**

Milled  
Fibres

**CORPORATION OF  
SOUTH AFRICA  
JOHANNESBURG**

Hand-cobbed  
Fibres

"Shorts" — "Medium" — "Longs" — also "Spinnable Grades"  
No order too small — No order too big.

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VOLKSKAS LIMITED,  
and 76, Market Street,  
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## **PUTTEN'S ASBESTOS CORPORATION OF SOUTH AFRICA**

203/207, Alris Building

3, Rissik Street

Johannesburg

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-----  
Members: JOHANNESBURG CHAMBER OF COMMERCE.  
SOUTH AFRICAN ASBESTOS EXPORTERS' ASSOCIATION.  
ASBESTOS & BASE MINERAL ASSOCIATION OF SOUTHERN AFRICA.

continues with the number of orders on file less than the available production. The demand for *Saturated Paper* has held up surprisingly well for the first quarter of this year in spite of the weather conditions existing. At present production is just about equalling demands.

*Insulation. High Pressure.* There seems to be a little lull in the insulation market, which has lasted for approximately the past month. All contractors are now watching their stocks very carefully so as to refrain from being in an overstocked position should sales depreciate to any great extent. The outlook is still good as there are many projects in the planning stage that should crystallize before the end of the year.

*Insulation. Low Pressure.* The demand for low pressure insulation is beginning to slow down as some of the normal users of this material approach a slow season. It is expected that volume will increase to take care of the number of projects which now are in the early stages construction.

*Asbestos Cement Products.* There is very little change in the market for asbestos cement products.

Roofing and siding shipments for March exceeded March of last year, and from all indications April shipments for this year will exceed the same period last year. New regulations in connection with F.H.A. Home Repair Loans will eliminate some of the "fly by night" applicators which will temporarily affect the Asbestos Cement Siding business.

The demand for corrugated and flat has fallen off considerably in the first quarter of this year.

The market for Pressure and Sewer Pipe continues strong. Gas Vent, Building Sewer, Warm Air Duct and Electrical Conduits are feeling the effects of the increased seasonal demand.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

Asbestos Exploration

Mine Development

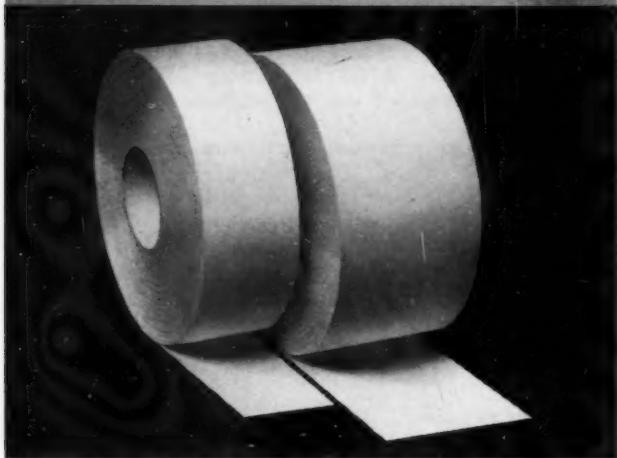
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# **SAL-MO SALES ARE R-O-L-L-I-N-G**



Continued product development and aggressive merchandising are two of the factors which contribute importantly to the ever-increasing acceptance of our wide line of asbestos products.

## **SALL MOUNTAIN COMPANY**

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## BUILDING

Dodge Reports of contract awards in March for future construction in the months ahead smashed all records, F. W. Dodge Corporation announced in stating the final details of the Dodge figures previously announced in a general way by the White House and by George Cline Smith, Dodge economist. The reports cover the 37 states east of the Rockies.

1. March contract awards reported were the highest for March in Dodge's 63-year history

2. March rounded out the highest first quarter in Dodge history.

3. New highs were set for March and for the first quarter in each basic Dodge category: non-residential, residential, and public works and utilities.

Also, March was the seventh month out of the past 12 to set new high records for the respective months.

Of twelve basic percentage changes that Dodge states to its statistical clients each month and which this month are being openly published, all twelve for March and for the cumulative months of the year are plus. This event did not occur in any month of 1953 which was the biggest year of Dodge totals.

It was not true in January and February 1954 in the Dodge figures which set new highs for those respective months in the Dodge records and which set also a new January-February two-month high.

Mr. Holden stated that the March record and the record for the quarter were not produced by any one or few large contracts, but are well spread and obviously express widespread confidence in the future.

The total of Dodge Reports was \$1,527,517,000, up 25 per cent over February and 13 per cent over March 1953 which was the highest previous March in Dodge history. Non-residential: \$532,060,000, up 14 per cent over February and 18 per cent over March 1953. Residential: \$667,737,000, up 31 per cent over February and 10 per cent over March 1953. Public works and utilities: \$327,720,000, up 34 per cent over February and 12 per cent over March 1953.

# BLUE ASBESTOS

Widely known for its resistance to acid and chemical action—is also the strongest, toughest, finest in fiber diameter, most durable of all mineral fibers.

**WORLD'S LARGEST SUPPLIER  
OF BLUE ASBESTOS IS**

**CAPE BLUE MINES (Pty) Ltd.**

Skefko House, Rissik Street, Johannesburg, South Africa  
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**THE CAPE ASBESTOS CO., Ltd.**

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subsidiaries:*

in the United States

**NORTH AMERICAN ASBESTOS CORPORATION**

Board of Trade Building, Chicago 4, Illinois

in Canada

**CAPE ASBESTOS (Canada) Ltd.**

200 Bloor Street East, Toronto, Ontario

# **PRODUCTION STATISTICS**

## Canada

(Department of Mines, Province of Quebec)

*Tons 2000 lbs.*

Production for February 1954 .....	60,180 tons
Compared with February 1953 .....	63,345 tons

## Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

*Tons 2000 lbs.*

Production for December 1953 .....	6,934.52 tons
Valued at .....	£536,292
Production for December 1952 .....	6,914.13 tons
Valued at .....	£515,975

## Australian--Statistics

(Published by Bureau of Mineral Resources, Geology and Geophysics,  
Ministry of National Development)

*Tons 2240 lbs.*

Quarter ending September 30, 1953

### Production

Crocidolite .....	1,527
Chrysotile .....	367

1,894

### Imports

Amosite .....	808
Chrysotile .....	4,828
Crocidolite .....	282
Other .....	114

6,032

### Exports to

Belgium .....	132
U. S. A. ....	45
Other Countries .....	72

249

**ASBESTOS**  
**FIBRE**  
**OF ALL TYPES**

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**ALL SPECIAL ASBESTOS MILLING  
MACHINERY**

**COMPLETE ASBESTOS MILLS**



We have facilities for evaluating bulk samples of asbestos ore including processing with latest air swept mill equipment.

*Your inquiries for additional information  
are welcomed*



# IMPORTS AND EXPORTS

## Imports into U. S. A.

(Figures by Bureau of Census)

December 1953  
Tons (2240 lbs.)

### Unmanufactured Asbestos—By Countries:

From Canada.....	43,749
Union of S. Africa.....	1,272
Australia.....	565
Southern Rhodesia.....	302
Bolivia.....	84
Venezuela.....	46
Other Countries.....	14

	46,032
Valued at.....	\$4,798,819

### By Grades:

Crude No. 1, Chrysotile, Canada.....	12
Crude No. 1, Chrysotile, So. Rhodesia.....	36
Crude No. 2, Chrysotile, Canada.....	20
Crude No. 2, Chrysotile, So. Rhodesia.....	31
Crude No. 2, Chrysotile, Other Countries.....	14
Crude, Other, Chrysotile, So. Rhodesia.....	143
Crude, Blue, Bolivia.....	84
Crude, Blue, Australia.....	565
Crude, Blue, U. of S. Africa.....	405
Crude, Amosite, U. of So. Africa.....	867
Textile Fibres, Chrysotile, Canada.....	1,504
Textile Fibres, Chrysotile, Venezuela.....	46
Shingle Fibres, Chrysotile, Canada.....	7,051
Shingle Fibres, Chrysotile, So. Rhodesia.....	92
Paper Fibres, Chrysotile, Canada.....	3,616
Other Fibres, Chrysotile, Canada.....	31,546

46,032

### Manufactured Asbestos Goods:

	December 1953	
	Quantity (lbs.)	Value
Asbestos Yarn, United Kingdom.....	23,088	\$19,241
Asbestos Packing, Fabric.....	210	291
Asbestos Woven Fabrics, Other, U. Kingdom.....	9,043	11,723
Asbestos Brake Lining (Mld.).....	12,000	4,940

Asbestos Cement Products (Impreg.) .....	11,600	1,474
Asbestos Cement Products (Not Impreg.) .....	44,588	3,088
Asbestos Manufacturers—Others .....	....	238
	<hr/> 100,529	<hr/> \$40,995

## Exports from U. S. A.

(Figures by Bureau of Census)

January 1954  
Tons (2240 lbs.)    Value

### Unmanufactured Asbestos:

To: Europe ..... 49    \$8,164

### Manufactured Asbestos Goods:

January 1954  
Quantity    Value

Asbestos Pipe Covg. & Cement .....	Lbs.	478,206	\$ 50,791
Asbestos Textiles & Yarn .....	Lbs.	61,554	58,187
Asbestos Packing .....	Lbs.	126,099	81,247
Asbestos Clutch Facings .....	No.	89,067	61,754
Asbestos Bk. Lng. (Mid.&S.Mid.) .....	Ft.	66,738	21,775
Asbestos Bk. Lng. (Woven) .....	Lin. Ft.	15,619	19,235
Asbestos Brake Lining Sets .....	Lbs.	123,536	107,784
Asbestos Construction Materials .....	Lbs.	1,730,439	149,704
Asbestos Manufactures—Others .....	Lbs.	....	31,520
			<hr/> \$581,997

## WILHELM BURGDORF

Importer of Raw Asbestos

P. O. Box 1131, BREMEN, GERMANY

## PHILLIPS ASBESTOS MINES

Producers of

**CRUDES**

and

**FIBERIZED ASBESTOS**

**The World's Finest Fibres**

DRAWER 71

GLOBE, ARIZONA

Mines and Mills in Gila Co., Arizona

## AUTOMOBILE SALES

	February 1954	March 1954
Passenger Cars .....	446,676	531,529
Motor Trucks .....	87,141	101,177
Motor Coaches .....	326	296
	<hr/> 534,143	<hr/> 633,002

In February 1953, a total of 583,001 motor vehicles were sold. In the two months of 1954 the total was 1,085,273.

In March 1953, a total of 700,685 motor vehicles were sold. In the three months of 1954 the total was 1,718,275.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

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A visiting group of French consulting engineers arrived in this country early in April to meet with a representative group of the members of the ASSOCIATION OF CONSULTING CHEMISTS & CHEMICAL ENGINEERS, INC., at an informal luncheon at the Park Sheraton, Hotel, New York City. The purpose of the gathering was to establish firmer contacts between American consultants and their foreign colleagues and industry and to exchange information and to discuss the role of the professional consultant in industry here and abroad.

*"Tropag"*

ASBEST- & ERZIMPORT OSCAR H. RITTER K. G.  
Hamburg                      —                      Ballindamm 7

*Importers since 1909 of*

**ASBESTOS - ORES - MINERALS**

## Exports from Canada

(Published by Dominion Bureau of Statistics)

February 1954

Tons (2000 lbs.)    Value

### Unmanufactured Asbestos:

#### Crude

United States.....	1	\$	684
United Kingdom.....	1		1,300
South America.....			
Central America & Mexico.....			
European Countries.....			
Other Countries.....	1		400
	3	\$	2,384

#### Milled

United States.....	12,179		\$2,049,936
United Kingdom.....	623		137,829
South America.....	1,266		239,898
Central America & Mexico.....	190		27,916
European Countries.....	1,757		357,260
Other Countries.....	1,676		273,674
	17,691		\$3,086,513

#### Shorts

United States.....	35,789		\$1,700,553
United Kingdom.....	1,830		71,239
South America.....	432		32,595
Central America & Mexico.....			
European Countries.....	575		33,806
Other Countries.....	280		20,074

### Grand Total—Unmanufactured Asbestos ..

38,906	\$1,858,258
56,600	\$4,947,155

### Manufactured Asbestos Goods:

Brake Lining.....	\$	12,147
Packing.....		
Other Materials.....		21,963
	\$	34,110

## AMERICAN BRAKE SHOE

### First Quarter Report

Shipments in the first quarter of 1954, amounted to \$33,310,322 compared with \$36,129,384 in the first quarter of 1953. Unfilled orders have decreased from \$34,000,000 to \$23,300,000 since the first of the year.

Net earnings for the quarter were \$1,665,450, compared with \$1,295,545 for the same period last year. Dividends rose to \$1.33 per share compared with \$1.00 in the first quarter of 1953.

NICHOLS  
**NEVER-STAIN**

THE PERFECT

*Aluminum Nail*  
for ASBESTOS SIDING



- RUST-PROOF — no discoloration
- GREATER HOLDING POWER
- SMALL INCONSPICUOUS HEAD
- STRONG ALUMINUM ALLOY — easy to drive

The finest rust-proof non-staining aluminum nails ever offered for the application of asbestos siding. Because of a special NICHOLS process an increase in nail strength has been developed that insures maximum drivability.

Small diameter head and thickness assures minimum visibility once nail has been driven.

Special threads developed by NICHOLS provide ultimate withdrawal resistance.

"File-Grip" Aluminum Nails are available in 1-7/16" and 1-3/4" lengths. "Screw-Thread" Aluminum Nails are available in 1-1/8" lengths.

New NICHOLS Aluminum Screw-Thread nails are used for applying asbestos siding over plywood sheathing and many other types of new work.

These nails are now included with asbestos siding and shingle shipments of many leading asbestos products manufacturers.

Write for free samples and descriptive literature. Address Dept. A.



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Branches: Mason City, Iowa; Settle Creek, Mich.; Cincinnati, Ohio;  
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## NEWS OF THE INDUSTRY

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### HAPPY BIRTHDAY

- John J. Dempsey, President, Armor Products Inc., New York City, May 18.
- William B. Millar, Consulting Mining Engineer, Silver Bay, N. Y., May 18.
- Clifford F. Rassweiler, Vice Chairman of the Board, Johns-Manville Corp., New York City, May 18.
- David P. Seaman, Manager, Philip Carey Mfg. Co., New York City, May 21.
- W. S. Lang, Vice President, Magnesia-Asbestos Insulation Co., Inc., New York City, May 25.
- Stephen Harrison, Owner, Asbestos Service Company, Youngstown, Ohio, May 26.
- George V. Hamilton, Owner, George V. Hamilton Co., Pittsburgh, Pa., May 26.
- J. H. Mooney, Vice President, Johnson's Company, Thetford Mines, Canada, May 27.
- Giles Newton, Managing Director, Cape Asbestos Co., Ltd., London, England, May 27.
- Stuart H. Ralph, Vice President & Director, The Flintkote Company, New York City, May 27.
- F. E. Schluter, Director, Thermoid Company, Trenton, N. J., May 31.
- F. H. Shipe, President, Asbestos Covering & Roofing Co., Washington, D. C., May 31.
- Charles H. Jackson, President, Turner & Newall (Canada) Ltd., Montreal, Canada, June 2.
- Phil Ziegenfuss, President & Treasurer, Insulating Materials Co., St. Louis, Mo., June 2.
- Norman C. Naylor, Chairman of the Board, Union Asbestos & Rubber Company, Chicago, Ill., June 3.
- Ford Brown, President, MacArthur Company, St. Paul, Minn., June 5.
- Edward J. Ewald, Vice President, Standard Asbestos Mfg. Co., Chicago, Ill., June 6.
- E. M. Railton, Vice President (in charge of Western Division), The Ruberoid Co., Chicago, Ill., June 8.
- W. Robert Beldam, Director, Beldam Asbestos Co., Ltd., Houslow, England, June 8.
- H. E. Howell, Vice President, Ehret Magnesia Mfg. Co., Valley Forge, Pa., June 8.
- Manley Alsaker, Branch Manager, Kelley Asbestos Products Co., Omaha, Nebr., June 9.
- Herbert Morton Ball, Secretary & General Attorney, Johns-Manville Corporation, New York City, June 9.

## **INDUSTRIAL SERVICE COMPANY**

**Builders of**

### **ASBESTOS CEMENT MACHINERY**

**Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.**

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### **METATE ASBESTOS MINES COMPANY**

*Producers of*

**WORLD'S FINEST CRUDES  
AND SPINNING FIBRE**

**Mines: GILA COUNTY, GLOBE, ARIZONA  
P. O. BOX 1506 GLOBE, ARIZONA**

**Telephone 261-J**

**Home Office: P. O. BOX 51, JOPLIN, MO.**

L. L. Collonge, President, The Pacific Asbestos-Cement Products Corp., San Bernardino, Cal., June 9.

Walker Jamar, President, Walker Jamar Company, Duluth, Minn., June 11.

Howard Snow, President, Southern Friction Materials Co., Charlotte, N. C., June 11.

Henry Condell, Owner, Asbestos Processing Co., New York City, June 15.

John E. Zimmerman, Manager Tulsa Branch, Kelley Asbestos Products Co., Tulsa, Okla., June 15.

We extend congratulations and best wishes to all these gentlemen on the occasion of their birthdays.

#### **CAPE ASBESTOS CO.**

Important changes in the top executive posts of Cape Asbestos (Pty) Ltd. have taken place in South Africa. *Rupert St. George Riley*, who has been discharging the duties of Chairman and Managing Director of The Cape Asbestos companies in South Africa for just over five years, recently left South Africa with his family to resume his duties as a Director of The Cape Asbestos Company Ltd., the parent company at their head office in London.

The Cape Asbestos Company Limited is probably the earliest and certainly the largest producer of crocidolite and amosite asbestos in South Africa, as well as the owner of various asbestos factories throughout the world. The assets of The Cape Asbestos Group are shown in their latest Balance Sheet to be in excess of £6 million sterling.

Mr. Riley is well known in the United States, as in Africa and Europe. He joined Cape Asbestos in England as a Director in 1938. During World War II, he was on active service and left the army at the end of the war with the rank of Lieutenant-Colonel.

*Athelstan Claude Muir Cornish-Bowden* succeeds Mr. Riley as Chairman and Managing Director of The Cape Asbestos operations in South Africa. Mr. Cornish-Bowden has played a very active role in the recent industrial development of the Union. Since graduating from Exeter College, Oxford, he has served in various executive positions with leading mining companies in the Union. Mr. Cornish-Bowden assumed his duties officially with Cape Asbestos on January 1st of this year.

#### **JOHNS-MANVILLE**

##### **First Quarter Report**

Consolidated earnings of Johns-Manville Corporation and subsidiary companies for the first quarter of 1954 were \$2,592,406, compared with \$4,943,491 for the corresponding period last year.

Sales for the first quarter of 1954 were \$51,913,065, compared with \$57,255,485 for the first quarter of 1953.

Earnings per share of common stock were 82 cents for the first quarter, compared with \$1.65 for the first quarter last year.



# NOW, AS ALWAYS—

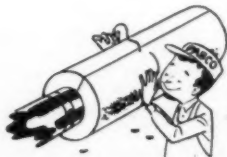


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**Dependable  
Standard-  
Modernized**



## UNIFORM PRECISION

*Dependable precision in heat insulation, to meet modern engineering demands! Pabco "Precision Molded" 85% Magnesia combines time-tested superiority with precision molding — close tolerances, controlled sizes, light weight, uniform texture!*



## SAVES MAN HOURS

*Thus, Pabco is faster to apply! Easier to lift, quicker to cut and score, simpler to embed tie wires! You get Precision fit—pipe sizes and blocks molded to exact size!*



## PABCO PRODUCTS INC.

INSULATION DIVISION

San Francisco 19

New York 16

Manufacturers of Heat Insulation since 1920

**THE RUBEROID CO.**  
**Annual Meeting**

Chairman Herbert Abraham of The Ruberoid Co. told the annual stockholders meeting, held on April 30, that net sales and profits for 1954's first quarter were slightly lower than for the same period last year.

Net sales for the first three months were \$14,956,819 compared to \$15,011,811 a year ago, a difference of less than 1 per cent. Net profits after taxes were \$890,453, off from \$921,759 from the 1953 quarter. Net earnings amounted to \$1.29 per share on the basis of 690,523 shares outstanding on March 31, 1954, and \$1.34 per share in the earlier period based on 685,857 shares.

Stockholders at the meeting approved management's proposal to increase authorized capital stock from 958,864 to 3,000,000 shares and to split outstanding shares two-for-one. It is anticipated that the stock split will improve the market action of Ruberoid's capital stock. At the same time, stockholders voted to change the value of the shares from no par to \$1. On the new basis, Ruberoid capital shares outstanding will number 1,413,714.

Directors were re-elected and *William J. Van Akin*, vice president in charge of manufacture, was elected to the board.

Mr. Van Akin came to The Ruberoid Co. in 1948, as Manager of Manufacturing and was made a Vice President in 1953.

**ISRAEL ASBESTOS-CEMENT INDUSTRIES**

The new "Isasbest", Israel Asbestos-Cement Industries, Ltd., factory of Naharya, which began production last year and whose entire plant is not yet completed, has already received large local and foreign orders. Products of this factory will be exported to Turkey, Cyprus and Siam.

The factory manufactures asbestos-cement pipes of all types, including pressure pipes capable of withstanding a pressure of 24 atmospheres. The pipes are made in standard lengths of four meters with diameters ranging from two to sixteen inches. The factory will also manufacture troughs and corrugated and straight asbestos sheets.

The Isabest factory represents an investment of I£2,000,000 by local investors and \$2,000,000 by a group of American and Swiss investors. At present 160 workers are employed in two shifts at the factory. Upon completion, the Isasbest company will employ 300 workers in three shifts.

**MATTHEW FITZGERALD, JR. TO VISIT PARIS**

*Matthew Fitzgerald, Jr.*, president of Standard Asbestos Mfg. Company and *Charles S. Davis*, Chairman of Borg-Warner Corporation, have been named by the National Association of Manufacturers to the United States delegation to the second international conference of manufacturers in Paris May 23 to 25th.

# **Antony Gibbs & Co., Inc.**

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Tel. Digby 4-6580

*Sole Distributors in North America of*

## **ASBESTOS FIBRES**

Offered by

**S. A. ASBESTOS TRADING (PTY.) LTD.**

**Johannesburg**

From the Mines of:

### **RHODESIAN CHRYSOTILE**

Vanguard Asbestos Mines  
Boss Asbestos Mines  
Associated Asbestos Mines  
Norma Asbestos Mines

### **UNION CHRYSOTILE**

Scottro Asbestos Mines

### **CAPE BLUE**

Kuruman Cape Blue Asbestos

### **TRANSVAAL BLUE**

Baboon Asbestos Co.  
Harteskloof Asbestos Co.  
Springbok Asbestos Co.

## **UNION ASBESTOS AND RUBBER COMPANY**

### **Heating and Cooling Division**

*R. M. Anderson* has been appointed field sales manager of the Union Asbestos & Rubber Company's cooling division.

Prior to joining Unarco, Mr. Anderson had been a member of Servel Inc.'s, factory staff at Evansville, Ind., in charge of the national account department of the air conditioning division.

Associated with the air conditioning market since 1937, when he joined Peerless of America after leaving college, he is widely known in the field throughout the southwest and southeastern parts of the U. S.

*Emil T. Johnson* has been named vice president in charge of production and engineering for the Union Asbestos & Rubber Company.

Mr. Johnson joined Unarco in 1947 as head of engineering activities for the company's Fibrous Products Division. Prior to joining Unarco he was a partner in the Lawrenz Engineering Company of Chicago.

## **FILM ON ASBESTOS PRODUCTION**

Asbestos Corporation Ltd., Thetford Mines, Que., has commissioned Associated Screen News Ltd. of Montreal to make a motion picture on the production of asbestos fibre. The film is expected to be ready for release to non-theatrical distributors in the fall.

Asbestos Corporation decided to produce the film as a public relations venture in order to help eliminate popular misconceptions on the primary production of asbestos fibre. It has been felt that few people realize the vast amounts of material which must be handled to obtain a ton of fibre.

Basic subject matter of the film will be methods of recovery and a full description of the processes used.

## **MATTHEW'S TEXTILE FIBRES**

The new sixth edition of Matthews' Textile Fibres was published in March 1954, as announced by John Wiley & Sons, Publishers, 440 Fourth Avenue, New York 16. Ever since the first edition, written by the late Dr. J. Merritt Matthews, was published in 1904, "Textile Fibres" has served as an important and comprehensive guide to the field and as an aid to further research. The new edition again provides full, reliable coverage. Drawing on the wide experience of over two dozen technologists, it treats all the fibres of the animal plant, mineral, and synthetic kingdoms from the point of their detailed physical, chemical, and related properties.

The book contains a chapter on Asbestos, written by the late Anna S. Rossiter, former Editor of "ASBESTOS" with the help of several technicians in the Asbestos Industry.

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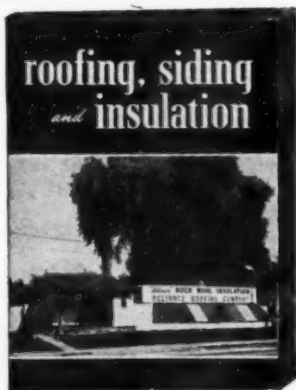
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The process used in the production of the brake lining, exclusive with Raybestos, molds high quality ingredients dynamically under carefully controlled heat and pressure.

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Dyna-Mold lining is factory bonded to new or reconditioned shoes with Raybestos Red Shearproof cement in laboratory controlled ovens. Each shoe is then shear-tested to assure a perfect bond.

#### **A.S.T.M. ANNUAL MEETING**

Extensive technical program in materials, apparatus and photographic exhibits to feature ASTM 57th annual meeting, in Chicago, Ill., June 13-18.

1954 Annual Meeting to include 36 technical sessions—hundreds of committee meetings—symposiums on coal sampling, temperature stability of electrical insulating materials, odor, permeability of soils, effect of cyclic heating and stressing on metals at elevated temperatures, and methods of testing building constructions.

*R. L. Templin*, ASTM Past President, Director of Research and Chief Engineer of Tests, Aluminum Company of America, will present the 3rd H. W. Gillett Memorial Lecture (Tuesday afternoon, June 15) on the subject "FATIGUE OF ALUMINUM".

*Harold F. Dodge*, Quality Results Engineer and Member of the Technical Staff, Bell Telephone Laboratories, Inc., will present the 28th Edgar Marburg Lecture on the subject "INTERPRETATION OF ENGINEERING DATA", on Wednesday afternoon, June 16, at the Hotel Sherman.

### **ASBESTOS-CEMENT MACHINERY**

Wet machines with Auxiliaries for the production of 24" to 48" wide, flat or corrugated sheets in commercial lengths.

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## WAGE RATE CHANGES

Wage rate changes for Asbestos workers (pipe and boiler coverers) as reported in the April 1954 number of the Asbestos Worker (published quarterly by the International Association of Heat and Frost Insulators and Asbestos Workers) are as follows:

Albany, N. Y. ....	\$2.79	Dayton, Ohio .....	\$2.95
+7½ W.F.		+7½ W.F.	
Anchorage, Alaska .....	3.92½	Evansville, Ind. ....	3.00
+7½ W.F.		Texas City, Tex.	
Bremerton, Puget Sound		(Monsanto Chem. Co.	
Navy Yard .....	2.25	Maintenance only) ...	2.46
Cedar Rapids, Iowa .....	2.90		

## ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

	April 1954			
	Par	Low	High	Last
Amer. Br. Shoe (Com) .....	np	37	38½	37½
Amer. Br. Shoe (Pfd) .....	100	101½	103½	102
Armst. Ck. (Com) .....	np	68½	71½	70½
Armst. Ck. (Pfd) .....	np	97¾	99	98½
Armst. Ck. (Conv. Pfd.) .....	np	135	143	140¼
Asb. Corp. (Com) .....	np	26	29¾	29
Carey (Com) .....	10	19	21½	21½
Cassiar Asb. Corp. ....	np	\$6.25	\$6.50	\$6.35
Celotex (Com) .....	np	17¾	19½	18½
Celotex (Pfd) .....	20	16¾	17	17
Certainteed (Com) .....	1	14½	16¼	15½
Flintkote (Com) .....	np	29¾	31¾	30¾
Flintkote (Pfd) .....	np	101	102½	102½
Johns-Manville (Com) .....	np	62½	65	64½
Natl. Gypsum (Com) .....	1	24½	29¾	29¾
Natl. Gypsum (Pfd) .....	np	101	102½	101¼
Pabco Products (Com) .....	np	15¾	17¾	17½
Pabco Products (Pfd) .....	100	85	86	86
Ray-Man (Com) .....	np	39¾	45½	45½
Ruberoid (Com) .....	np	69¾	71¼	70
Thermoid (Com) .....	1	6½	7½	7½
Thermoid (Pfd) .....	50	39½	40½	40¼
Union Asb. & Rub. (Com) .....	5	8	8½	8½
United Asb. (Com) .....	1	\$3.75	\$4.40	\$3.75
U. S. Gypsum (Com) .....	20	132	145	138
U. S. Gypsum (Pfd) .....	100	178¾	182	182
U. S. Rubber (Com) .....	5	31	34½	32¾
U. S. Rubber (Pfd) .....	100	144¼	148	148



## Imports of Asbestos by United Kingdom

Raw Material	Tons (2240 lbs.)		
	Jan.	Feb.	Mar.
From Union of S. Africa .....	850	594	1,456
Southern Rhodesia .....	5,091	3,111	2,298
Basutoland, Bechuanaland & Swaziland .....	1,341	887	1,101
Canada .....	2,523	2,425	1,920
Other Commonwealth Countries and the Irish Republic .....	186	117	98
Foreign Countries .....		275	3
	9,991	7,409	6,876

These figures were supplied by the Mining Journal Limited of London.

## CURRENT RANGE OF PRICE

As of May 10, 1954

Arizona—	Per Ton of 2,000 lbs., f.o.b. Globe, Arizona
No. 1 Crude (soft) .....	\$1,600.00 to \$1,700.00
No. 2 Crude (soft) .....	1,000.00 to 1,050.00
No. 3 Crude (soft) .....	450.00 to 500.00
Filter Fibre (soft) .....	250.00 to 450.00
No. 1 Crude (semi-soft) .....	1,200.00 to 1,500.00
No. 2 Crude (semi-soft) .....	900.00
No. 3 Crude (semi-soft) .....	400.00

Canada—	Per Ton (2000 lbs.) f.o.b. Mine
Group No. 1 (Crude No. 1) .....	\$1,100.00 to \$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry .....	500.00 to 1,000.00
Group No. 3 (Spinning Fibre) .....	300.00 to 525.00
Group No. 4 (Shingle Fibre) .....	150.00 to 200.00
Group No. 5 (Paper Fibre) .....	100.00 to 140.00
Group No. 6 (Waste, Stucco or Plaster) .....	77.00
Group No. 7 (Refuse or Shorts) .....	35.00 to 70.00

Vermont—	Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.
Group No. 3 (Spinning & Filtering) .....	\$ 321.00 to \$ 348.00
Group No. 4 (Shingle Fibre) .....	156.00 to 173.00
Group No. 5 (Paper Fibre) .....	110.00 to 132.00
Group No. 6 (Waste, Stucco or Plaster) .....	78.00
Group No. 7 (Refuse or Shorts) .....	37.00 to 68.50

**UNITED STATES RUBBER COMPANY**  
**First Quarter Report**

Earnings of United States Rubber Company in the first quarter were up slightly over the same period a year ago, and the company faces one of its better years, H. E. Humphreys Jr., chairman, reported to stockholders at their annual meeting today.

Earnings for the first three months at \$7,500,000, or \$1.18 a share of common stock, compared with \$1.10 in the first quarter last year. Sales were about 190 million dollars, down 16 per cent from the 227 million in the first quarter of 1953. Improvement in profit on lower sales was made possible by removal of the excess profits tax.

**NEW DISTRICT MANAGER FOR FLINTKOTE**

*Clarence S. Bundy* has recently been appointed district sales manager for the Central District of The Flintkote Company. Mr. Bundy's district includes the states of Michigan, Ohio and West Virginia plus certain counties in Kentucky and Virginia.

Mr. Bundy is replacing *W. G. Wright* who has been appointed manager of the Building Material Sales for Flintkote's West Coast Pioneer Division.

Prior to coming with Flintkote, Mr. Bundy was active in the roofing business in the Ohio area, having managed his own roofing company in Cleveland for three years.

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#### **JOHNS MANVILLE**

##### **Annual Meeting**

The annual meeting of Johns-Manville Corporation was held on May 14th, at the Roosevelt Hotel, New York City.

Leslie M. Cassidy, Chairman of the Board and Chief Executive Officer presided.

One of the items considered at this meeting was a proposed Incentive Stock Option Plan. This Plan has been approved by the Board of Directors but will not be made effective until it has received the approval of the Stockholders. Its purpose is to provide through options on shares of Common Stock of the Company an additional incentive for key employees to produce constant improvement in operating results, to remain in the employ of the Company and to become the owners of more of the Common Stock of the Company.

#### **ATLAS ASBESTOS COMPANY LTD.**

The Atlas Asbestos Company Limited of Montreal have announced the following officers of the company: *W. W. F. Shepherd*, Chairman; *C. H. Jackson*, President; *J. C. Anderson*, Vice President in Charge of Sales; *W. Hill*, Secretary-Treasurer. They are all Directors of the Company.

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**NATIONAL GYPSUM CO.**  
**Three Months Report**

National Gypsum Company sales for the first three months of 1954 were \$27,730,616, compared with \$27,789,568 for the same period in 1953.

Earnings were \$2,668,258 or \$.94 per share of common stock compared with \$1,878,529 or \$.66 per share on the smaller number of shares outstanding last year.

Reflecting improved earnings, the first quarter dividend was raised to \$.40 from the previous \$.35 per share.

At the annual meeting of stockholders all the present directors and officers were re-elected.

**UNION ASBESTOS & RUBBER CO.**

The election of *Edwin E. Hokin* as president and chief executive officers of Union Asbestos & Rubber Company, and the naming of *Norman C. Naylor* as chairman of the board, were announced following the annual stockholders meeting.

Mr. Hokin steps into the presidency of the company after serving as vice president in charge of heating and cooling division. He was responsible for the organization of this branch of the company during the past year.

*John H. Balch* has been named executive vice president of the company. Mr. Balch, who joined Unarco in 1936 as auditor, has been a member of the board of directors since 1938, when he was also elected secretary of the company.

**NORDBERG MFG. COMPANY**

Appointment of *George V. Dutney* as Special Assistant to the President of Nordberg Mfg. Company has recently been announced. Mr. Dutney (formerly with Johns-Manville) will make his headquarters in the company's New York office.

The company is a world-leading manufacturer of machinery for the basic processing of ores and industrial minerals, and a leading producer of railway maintenance-of-way equipment.



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## BOOK LIST

- The Asbestos Factbook**, 16 pages: Information in compact form on origin, facts, locations, uses of analyses, qualities. 25c per copy.
- Asbestos Mining Methods**. By C. V. Smith. (Reprint) 16 pages. 25c per copy.
- Milling Asbestos**. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.
- Recovery of Raw Asbestos**. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy.
- Canadian Chrysotile Asbestos Classification**. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.
- Processing Asbestos Fibres**. 8 pages. (Reprint). 25c per copy.
- Tests for Cotton Content**. 4 pages (Reprint). Describing several methods of testing asbestos textile for cotton content. 10c per copy.
- Chart—Dollars Cost of Uninsulated Pipe**. (Reprint). 20c each.
- Brake Linings of Various Types**. By R. T. Halstead. (Reprint). (12 pages) from August, September and October 1949 "ASBESTOS." Price 25c per copy.
- Twelve Estimating Tables**, with Chart. Convenient in figuring flange fittings and other areas. \$1.00 per set.
- Manual of Unit Prices**. For figuring pipe covering and blocks. 75c per single copy postpaid. Discount in quantities of 6 or more, postage billed.
- Order any of the above from "ASBESTOS", 808 Western Saving Fund Bldg., Philadelphia 7, Pa. Payment should accompany order.

Since World War II the number of families in the United States has increased 800,000 per year, twice the rate of increase during the 1930's. This tremendous population increase means greater markets, more production, and hence more jobs, the Chamber of Commerce of the United States points out.

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